

भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 5]

नई दिल्ली, शनिवार, फरवरी 3, 1973 (माघ 14, 1894)

No. 5]

NEW DELHI, SATURDAY, FEBRUARY 3, 1973 (MAGHA 14, 1894)

इस भाग में जिन पृष्ठ संख्या दी जाती हैं जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

Patents and Designs

Calcutta, the 3rd February 1973

CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 9th December, 1972, in page 373, column 2, under the heading "Patents deemed to be endorsed with the words 'Licences of right'—"

For No. "74979" read No. "74879"

(2)

In the Gazette of India, Part III, Section 2, dated the 16th December, 1972, in page 385, column 1, under the heading "Patents deemed to be endorsed with the words 'Licences of right'—"

For "(9-1-61)" against 76596 read "(9-5-61)"

(3)

In the Gazette of India Part III Section 2 dated the 28th October 1972, in page 312, on Column 2 under the heading "Complete Specification Accepted",

for No. 11678

read No. 11768

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

Application for Patents Filed at the Head Office

15th January 1973

105/Cal/73. G. A. Vorms, N. T. Pokhodenko, A. E. Kulikov, B. I. Brondz and T. V. Mischenko. Apparatus for calcining carbonaceous material and method of calcination realised in same.

106/Cal/73. G. M. Khutoretsky, G. P. Vartanian and S. G. Milchuk. Contact device of synchronous electric machine.

107/Cal/73. Vsesojuzny Nauchno-Issledovatel'sky Institut Elektro-energetiki. A method and circuit for controlling an synchronized synchronous machine.

108/Cal/73. Joseph Lucas (Electrical) Limited. Ignition distributors. (15th January 1972).

109/Cal/73. Joseph Lucas (Electrical) Limited. Ignition distributors. (15th January 1972).

110/Cal/73. Joseph Lucas (Electrical) Limited. Centrifugal mechanism. (15th January 1972).

111/Cal/73. Joseph Lucas (Electrical) Limited. Cam assembly. (15th January 1972).

112/Cal/73. Joseph Lucas (Electrical) Limited. Contact breaker assemblies. (15th January 1972).

113/Cal/73. Joseph Lucas (Electrical) Limited. Ignition distributors. (15th January 1972).

114/Cal/73. Joseph Lucas (Electrical) Limited. Ignition distributors. (15th January 1972).

115/Cal/73. Joseph Lucas (Electrical) Limited. Ignition distributors. (15th January 1972).

116/Cal/73. Joseph Lucas (Electrical) Limited. Vacuum units. (15th January 1972).

117/Cal/73. Diamond Shamrock Corporation. Paper wet strength resins.

118/Cal/73. Mundipharma AG. Bis-phosphorylated anthralin compounds.

119/Cal/73. Societe Anonyme des Etablissements Roure-Bertrand Fils & Justin Dupont. Naphthopyrans.

120/Cal/73. A. Brandestini. Wire cable anchoring arrangement.

121/Cal/73. Snam Progetti S.p.A. Production of aldehydes or ketones. [Divisional date 26th April 1971].

122/Cal/73. T. Fukuoka. Footwear.

123/Cal/73. G. S. Mann. Racer.

124/Cal/73. Dash Fasteners (Private) Limited. Improvements in or relating to expansion fasteners externally threaded expandable studs.

17th January 1973

125/Cal/73. Council of Scientific and Industrial Research. A testing bench for testing taximeters.

126/Cal/73. Council of Scientific and Industrial Research. A 25 dm³ precision pipette.

127/Cal/73. Societe Francaise d'Electrometallurgie. Process for the thermal treatment of powdered materials in the absence of air.

128/Cal/73. Societe Francaise d'Electrometallurgie. Method of extraction of a product from a revolving furnace.

129/Cal/73. Dr. Beck & Co., Ag. Improvements in or relating to moulding compositions.

130/Cal/73. Sybron Corporation. Self-grounding mechanical span adjustment.

131/Cal/73. Commissariat a l'Energie Atomique. Device for sampling gas within the rotating bowl of a centrifuge.

132/Cal/73. Sulzer Brothers Limited. Improvements in and relating to beams for looms.

133/Cal/73. Panelfold Doors, Inc. Extruded plastic folding door.

134/Cal/73. International Nickel Limited. Welding materials.

135/Cal/73. Ceskoslovenska Komise Pro Atomovou Energii. Process of cleaning waste waters by sorbtion, particularly waste waters with radioactive contamination.

18th January 1973

136/Cal/73. Delalande S. A. Improvements in or relating to derivatives of 4'-aminomethyl spiro [dibenzo (a-d) cycloheptadi-(or tri-) ene-5:2'-dioxolane (1', 3')], their method of preparation and their therapeutic application. [Addition to No. 130896].

137/Cal/73. Imperial Chemical Industries Limited. Catalyst-making method. (21st January 1972).

138/Cal/73. Bayer Aktiengesellschaft. Process for the production of pneumatically feedable anhydrite.

139/Cal/73. Bremshey Aktiengesellschaft. Shortnabe umbrella frame.

140/Cal/73. Cassella Farbwerke Mainkur Aktiengesellschaft. Process for the production of new basically substituted 2, 4-(1H, 3H)-quinazolidione derivatives. [Divisional date 16th June 1970].

141/Cal/73. Hercules Incorporated. Preparation of aromatic amines and their use as herbicides.

19th January 1973

142/Cal/73. White Welding and Mfg., Inc. Rotary bar guide assembly.

143/Cal/73. M. Eskeli. Rotary heat exchanger. (29th September 1972).

144/Cal/73. Bayer Aktiengesellschaft, formerly known as Farbenfabriken Bayer Aktiengesellschaft. Process for the production of 3-(4-chloropyrazolyl-1)-coumarines. [Divisional date 30th July 1970].

145/Cal/73. Robert Bosch GMBH. Cold forming of metals.

146/Cal/73. Westinghouse Electric Corporation. Electric power plant system and method for operating a steam turbine especially of the nuclear type with electronic reheat control of a cycle steam re-heater.

Application for Patents Filed at Patent Office (Bombay Branch)

5th January 1973

1/Bom/73. G. K. Damani. A device to be fitted externally to avoid unauthorised removal of sliding shutter.

6/Bom/73. G. K. Damani. The improvement in the sliding pivot hinge of casement window.

7/Bom/73. G. K. Damani. An improvement in the design of sliding window sill track.

3/Bom/73. Mrs. Kunjbala Chinubhai Gandhi. A tourniquet.

9/Bom/73. A. S. Wagh. Tensionless back beam creel.

8th January 1973

10/Bom/73. M. S. Sivaraman. A timed burglar alarm.

11/Bom/73. Sardesai Brothers Limited. Improvements in or relating to the process of manufacture of nonionic surfactants from long chain alcohols.

12/Bom/73. C. S. Patel. Fluid tight, flexible and tamper-proof cap for containers having relative and matching neck-ring profile.

13/Bom/73. R. Chandra. Feather system flying vehicle.

10th January 1973

14/Bom/73. Pittie Electronics. Electronic stop motion unit for carding Engines in Textile industry.

15/Bom/73. Ciba of India Limited. Azo compounds, their manufacture and use.

16/Bom/73. Ciba of India Limited. Azo compounds their manufacture and use.

17/Bom/73. Indian Plastics Limited. A centrifugal apparatus more specially a spinning pot of centrifugal spinning machine for textile fibre manufacture.

12th January 1973

18/Bom/73. Randtronics Instruments Private Limited. Improvements in or relating to automatic door operators.

19/Bom/73. Randtronics Instruments Private Limited. Improvements in or relating to automatic electric switches for preventing illumination from falling below a predetermined minimum level.

20/Bom/73. K. G. Vaze. The dual purpose attachment for the sectional sizing machine.

21/Bom/73. H. T. Lokhande and V. V. Nikte. A new method of improving colour value and fixation of reactive acid and direct dyes on cellulosic textiles.

APPLICATION FOR PATENTS FILED AT PATENT (Madras Branch)

8th January 1973

4/Mas/73. Bharat Heavy Electricals Limited. Indigenous developer for the xerographic printing process.

5/Mas/73. Bharat Heavy Electricals Limited. An improved design of a device for local pressure relieving in valves.

6/Mas/73. P. K. Jittrah. Improvements in or relating to buffer used in trucks, motors and like vehicles.

10th January 1973

7/Mas/73. M. Sivaram. Improvements in or relating to a lubricating apparatus.

11th January 1973

8/Mas/73. Fluid Systems P. Ltd. An improved butterfly valve.

9/Mas/73. Fluid Systems P. Ltd. An improved double acting actuator.

ALTERATION OF DATE

132236. Ante-dated to 27th February 1971.

Complete Specifications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this Gazette of India or within such further period not exceeding one month applied for in Form 14 of the Patents Rules, 1972, before the expiry of the said period of four months give notice to the Controller of Patents in the pres-

cribed Form 15 of the Patents Rules, 1972, of such opposition. The written statement of opposition, should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specification in the following list will be available for sale from the Government of India Book Depot, 8, Kiron Shankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (Postage extra, if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

The required typed copies of the specifications together with copies of the drawings if any, can be supplied by Patent Office on Payment of the necessary charges which may be ascertained on application to this office.

The dates shown in Crescent brackets are dates allowed under Section 135 of the

80416. Diamond Shamrock Corporation, (formerly known as Diamond alkali Company). Process for producing 7-dehydrosterols.

Comprising dehydrohalogenating by heating a halogenated sterol derivative at a temperature of 80°C in the presence of quinaldine formamide complex or quinaldine urea complex.

107118. Richter Gedeon Vegyeszeti Gyar R. T. A process for preparing steroids of 1, 4-diene-3, 17-dione structure.

Process for preparing steroids of 1, 4-diene 3, 17-dione structure in which steroids having a 17 beta side chain or an androstane structure are treated under aerobic fermentation conditions, in the presence of 8-hydroxyquinoline, with the cells of Mycobacterium phlei.

112472. Carlo Erba S.p.A. Process for the preparation of new 3-substituted 1-oxo-isindolines and 2, 3-substituted 1-oxo-isindolines.

Characterised in condensing 3-hydroxyphenylamine

dine with amine $\text{HN}-\text{C}_6\text{H}_4-\text{Z}-(\text{CH}_2)_n-\text{NR}_1\text{R}_2$ and alkylating the product obtained R_1 being H or alkyl $\text{R}_2=\text{R}_1$ or different being alkyl or heterocyclic being and Z is O or S.

114413. Lepetit S.p.A.—Gruppo per la Ricerca Scientifica-Produzione Chimica Farmaceutica Rifamycin sv derivative and process for preparing the same. (1st March 1967).

Process for preparing a rifamycin SV derivative which comprises contacting rifamycins with an amount at least equimolecular appropriate crotonate derivative in an organic solvent at room temperature for 7 to 70 hours.

115872. Boehringer Ingelheim GmbH. Process for the production of new 1-phenoxy-2-hydroxy-3-alkylaminopropanes.

Comprises reacting 1-(2-ethoxyphenyl)-2, 3-epoxypropane with a secondary or tertiary butylamine.

120199. Pfizer Inc., formerly known as Chas. Pfizer & Co., Inc. A process for making cephalosporins and pharmaceutical compositions containing the same.

Comprising reacting a 7-aminocephalosporanic acid with an appropriate nitric acid derivative.

123704. Gruppo Lepetit S.p.A. Process for the preparation of 2-nitroimidazoles with antibacterial activity.

Comprises diazotizing an imidazole with equimolecular amount of alkali metal nitrite in concentrated fluoboric acid and contacting this diazo product with equimolecular amount of alkali metal nitrite in water in presence of copper powder as catalyst.

127978. Imperial Chemical Industries Limited. Process for the preparation of a transitional metal composition. (13th August 1969).

Characterized by reacting zirconium tetrabenzyl with water free for alumina.

128664. Albright & Wilson Limited & Harrisons & Crossfield Limited. Oil extraction process from a vegetable or fish raw material. (2nd October 1969).

Treating the material with a concentrated solution of an alkali metal, alkaline earth metal or ammonium salt of a lower alkyl phenyl sulphonic acid; recovery a liquid mixture of oil and aqueous sulphonate phase and separating the oil phase.

129142. Celanese Corporation. Production of novel open-celled microporous crystalline polymer film.

Comprises cold stretching the film at a temperature in the range between 10°C and -40°C hot stretching the resulting cold stretched film in the same direction and then the film was heated under tension.

129146. E. R. Squibb & Sons, Inc. Process for preparing dipeptides.

*Comprising adding *N* tert. butyl *N*cc tert. butyloxy carbonyl *L*-aspartic acid *P*-nitrophenyl ester to a mixture of dehydro *L* phenylalanine methyl ester hydrochloride, methyl formamide and triethyl amine.*

129164. Universal Oil Products Company. Improvements in and relating to vehicle seats. (25th November 1969).

Having a spring suspension supporting a seat supporting frame for upward and downward resilient movement relative to a base, a seat assembly having a cushion supporting frame supporting on the seat supporting frame through a height varying mechanism including a vertically displaceable ratchet device having a ratchet with a pawl.

129397. Danfoss A/S. Apparatus for charging a thermostatic system.

Comprises a measuring container having an inlet valve, an outlet valve and a pressure gauge, all disposed in a line extending between the storage container and the charging head of the system.

129408. Veb Kombinat Kali. Process for the hot-pressing of fiber fleeces.

Characterised by the fact the fleece is pre-compressed or pre-consolidated in a press of dimension slightly larger than the finished board.

129415. Universal Oil Products Company. Method for regenerating a deactivated hydrocarbon conversion catalyst.

Contacting (a) the deactivated catalyst with a substantially sulphur free first gaseous mixture to remove the carbonaceous material, (b) contacting the catalyst thus obtained with a substantially sulphur free second gaseous mixture (c) perging oxygen with an inert gas stream from contact with the catalyst from step (b) (d) subjecting the resulting catalyst to contact with a substantially sulphur free third gaseous mixture.

129613. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing *N*-mono-(β-cyanoethyl)-aryl-amines.

*Treating *N*-(β-cyanoethyl)-arylformamides with aqueous diluted mineral acids at a temperature in the range of from 0° to about 100°C.*

129788. Santi Pado Banerjee. Improvements in or relating to poles or like members.

In addition to conventional reinforcement or tensioned high tensile steel wires, there is provided at one or both ends of the pole one or more untensioned high tensile steel wire piece or pieces lying inside the pole length wire from the said end or ends, said wire piece or pieces being parallel to the conventional reinforcement or tensioned wire.

129878. Union Carbide Corporation. Constant potential AC consumable electrode welding.

In which the method is characterised by tuning an L.C. circuit connected in series with a source

of constant potential to resonate at the source frequencies with the capacitive and inductive reactance.

129879. Union Carbide Corporation. Apparatus for stabilizing an AC arc.

Comprising a passive reactance network having a series connected capacitor and inductor in parallel with an inductor the network being connected in series with an a.c. source, electrode and work-piece.

129937. Izhorsky Zavod Imeni A. A. Zhdanova. Tooth of the bucket of a digging machine.

Comprising a base with a lug, a changeable cap fitted to the lug by mortise joint and transmitting to the lug the resultant of different forces, and a means for securing the cap to the base.

130056. A. B. J. G. Prasad. Roller and box type push-out stay for outward opening screen type steel windows.

Comprising a hollow box closed on all sides except on one side and having an extended platform with a hole in its centre, a roller mounted on this platform in the hole, said roller having a rectangular slot through which a stay slides into and out of the box and a lock pin at the top of the roller to fix the stay at desired positions by blocking holes in the stay.

130102. Uss Engineers and Consultants, Inc. Apparatus for automatically supplying oil to a hot strip rolling mill.

Comprises oil spray means, means for supplying oil to spray means, means for initiating operation of oil supply means and means for stopping operation of oil supply means.

130134. A. L. Kaufman. Method of reproducing indicia.

Comprising steps of charging the photo conductive face of a sheet like member comprising a relatively insulating substrate and a coating of a photo conductive material on one face of substrate directing light from indicial to reproduced upon the charged photo conductive coating to produce a latent image upon the uncoated face of the substrate and applying an electrostatically sensitive toner to develop a visible image from latent image.

130321. Seismograph Service Corporation. A seismic vibrator for generating acoustic waves.

Comprises a structure forming at least one plenum chamber having at least one large opening and one small opening means for providing air under pressure in said chamber, and means for modulating said air under pressure in said plenum chamber.

130405. Imperial Chemical Industries Limited. Process for manufacturing quaternary leucariumine compounds. (5th March 1970).

Comprises reacting corresponding michler's hydrol or correspondingly di-di-substituted aminophenyl methanol or similarly substituted methyl mercaptan or alkyl ethers thereof with a corresponding amino compound.

130433. Texaco Development Corporation. Process for the alkylation of an isoparaffin with an olefin in the presence of a sulphuric acid catalyst.

Characterised in that the reaction mixture is maintained under alkylation conditions in at least two alkylation reactors one refreginated by emulsion flashing and one refreginated by effluent refrigeration.

130456. British Railways Board. Improvements relating to slipform paving machines.

Comprising a laterally adjustable roadway surface conforming member, sensing means mounted for lateral movement with the conforming member for sensing a datum controlling lateral posi-

tion of the conforming member, actuating means for laterally adjusting the conforming member, and programmed control means arranged to be driven in synchronism with movement of the machine for moving the sensing means laterally relatively to the conforming member.

130518. Cabot Corporation. Process for the preparation of active carbon black.

Contacting carbon producing feedstock with a stream of hot combustion gases flowing at an average linear velocity of at least 100 feet per second.

130547. Ruti Machinery Works Ltd. Guide arrangement for weft thread inserting elements in a weaving loom. [Addition to No. 116044].

Characterised in that the holes have extensions for pressing the inserting elements there into only under a force greater than the force applied by the drive means at right angles to the direction of movement of the inserting elements, but less than the maximum force that the drive means is capable of applying.

130635. Joseph Lucas (Industries) Limited. Electrical switches. (20th March 1970).

Comprising first and second hollow body parts, a conductive plunger mounted in first body a contact member carried by second body, resilient means acting on said plunger, said first and second body part being formed with mating screw-threaded portions.

130877. Atlas Copso Aktiebolag. A machine for driving tunnels, drifts, raises and the like.

Comprising a main frame, means for supporting it, a cutting device, motor means for producing a reciprocating swinging movement of the cutting device, a circular cutter head, the head having a plurality of cutter bits arranged circumferentially.

131009. D. G. Takte. A catalytic process for synthesis of adamantane.

Comprises pressing vapours of tetrahydronorbornene over supported palladium catalyst in H_2 stream at 200—500°C and heating the product with $AlCl_3$.

131020. Council of Scientific and Industrial Research. Improvements in/or relating to deashing of natural graphite at high temperatures.

Heating to fused state a mixture of finely ground graphite and excess of sodium hydroxide in metallic container followed by washing with hot water and leaching with hot and cold dilute HCl , characterised in that fused mass of graphite and sodium hydroxide is poured over a metallic flat surface.

131261. P. K. Everett. Electrochemical refining of metals. (11th May 1970).

Comprising the steps of applying a direct current potential to achieve a transfer of electrons between an inert electrode and base metal bearing electrolyte, diffusion of the metal ions to a deposition electrode.

131448. Dunlop Holdings Limited. Flexible hose with tapered bore. (21st May 1970).

Comprising two substantially rigid end fittings, an inner lining layer, at least one layer of reinforcement, and an outer covering layer wherein the end fitting have different internal diameters and the inner lining layer is tapered in bore.

131456. Sandoz Ltd. Process for the production polyether amines.

Product obtained by reacting a polyamine and a polyepithalogenolhydrine is reacted with cross-linking agents.

131457. Sandoz Ltd. Process for the preparation of new monoazo compounds.
3-amino-4-methylbenzoic acid isobutyl ester is coupled with 2-amino-8-hydroxy-naphthalene-6-sulphonic acid.
131576. The Dow Chemical Company. Hydration of nitriles to amides using heterogeneous cupreous catalysts.
The reaction is conducted in the presence of a catalyst which is a mixture of copper oxide and an oxide of a metal like bismuth, magnesium, mercury, zirconium, aluminium.
131865. Stamicarbon N.V. Process for the preparation of powdery homo or copolymers of ethylene.
Discharging the reaction mixture, expending it and quenching at least a portion of expanded reaction mixture with cold gaseous medium of monomers to be polymerized.
131969. Vsesojuzny Nauchno-Issledovatel'skiy Institut Zemle-roinogo Mashinostroenia. Centrifugal suspension pump.
The pump impeller has additional vanes installed on the impeller so that they are located outside the pump casing and arranged radially or nearly radially around the suction opening of said casing.
131977. Richter Gedeon Vegyeszeti Gyár R.T. A process for the acylation of 17 β -hydroxysteroides containing enolizable oxo-group.
17 α -methyl-17 β -hydroxy-steroid-4-en-3-one is reacted with acetic anhydride in the presence of glacial acetic acid containing hydrochloric acid and antimony trichloride.
132043. Shri Ram Institute for Industrial Research. Improvements in or relating to the synthesis of plasticizers from castor oil for polyvinyl chloride resins (PVC).
The esterification of the ricinoyl derivatives with a dibasic acid is carried out to yield the mono-basic esters which are further reacted with the monohydric aliphatic alcohols to yield the plasticizer.
132236. Imperial Chemical Industries Limited. Spirit reproducing carbon papers. (5th March 1970). [Divisional date 27th February 1971].
Comprises sheet material carrying a coating containing a substantially colourless leucauramine compound.
132262. S. H. Shah and A. N. Aria. Improvements in or relating to a locking device attached to brief-cases.
Comprising a spring actuated sliding member in the tray part of the container, a hinges member fixed to the rear side of the sliding member, a pair of hooks on the container lid, means for moving the sliding member to a locking position and means for keeping the container in the locked position when the handle is moved.
132468. Siemens Aktiengesellschaft. Improvements in or relating to the diffusion of doping materials into wafers of semiconductor material. (2nd June 1971).
Comprising the steps, wafers are heated to the temperature necessary for diffusion in a tube made of semiconductor material open at one end, the said open end having a ground surface which is pressed into sealing contact with a further ground surface.
133010. Norton Company. A reinforced thermoset resin bonded abrasive wheel.
Consists of appropriate proportions of abrasive grains if porous, pores and bond comprising spherical glass particles of suitable dimensions and a thermoset resin.
133027. Scovil Manufacturing Company. Improvements in or relating to valves for tubeless tyres. (25th September 1970).
Comprises a tubular insert adapted to accommodate a valve core, a resilient housing having an axial bore, and a hard radially expandable member integral with the housing.
133286. Rotary Hoes Limited and The Governors of the National College of Agricultural Engineering. Agricultural machine.
Comprises a mobile frame carrying a rotor drive means for the rotor, beater members carried on the rotor, means for presenting the crop to the beater members.
133287. Rotary Hoes Limited and The Governors of the National College of Agricultural Engineering. Agricultural machine.
Comprises a mobile main frame, a sub-frame on the main frame, a parallel linkage connecting the main and the sub-frame, actuating means for moving the sub-frame up and down and a rotor on the sub-frame.
133288. Rotary Hoes Limited, and The Governors of the National College of Agricultural Engineering. Agricultural machine.
Comprises an inlet for grain and waste material an outlet for waste material, an endless movable screen, guide means and drive means for said screen, a portion of said screen acting as a conveyor.
133332. The Upjohn Company. 1,6-disubstituted -4H-s-triazolo [4, 3-a] [1, 4] benzodiazepines and process for the production thereof.
Comprising refluxing a mixture of 7-chloro-5-phenyl 3-H-1, 4, benzodiazepine-2-thione, isonicotinic acid hydrazide and butyl alcohol.
133417. Kharkovsky Aviatsionny Institut. Pulse piston drive.
Comprising a pulse chamber with a guide cavity accommodating a piston and a cavity to be filled with an energy carrier periodically communicating with the guide cavity for passing the energy carrier through an opening.
133430. K. K. Xavier. A reinforced cement concrete shell type cottage.
Comprising a shell type body formed by a row of cylindrical R. C. C. shells placed horizontally on a support formed of the two side walls of a longitudinal drain, R. C. C. end covers for said body, roofing for the top semi-circular outside face of the shell, props supporting R.C.C. slab floor inside the body, two berths hinged to inside face of shell, props supporting the berths, two air-ducts formed by two brickwalls longitudinally on the outside on either side of the shell, a thin partition in between and normal to the brickwalls, and air-circulating holes in the shell above the floor slab level, but below the top and of the brickwalls.
134002. General Electric Company. Improvements in or relating to apparatus for maintaining constant volume flow rate in suction pumps.
Characterised by a suction pump having a flow control valve in its inner side operatively linked to a movable member of a control valve operator and a flow restrictor on its outlet side the pressure differential created across it by the gas flow causing said member to control the control valve.
134083. Dana Corporation. Piston ring and method of making same.
A sealing a piston ring having a bearing surface with a chromium surfacing comprised by a layer of hard chromium on said bearing surface and a layer of etched micro cracked chromium on said hard layer.
134218. Mining Systems Limited. Sample pulverizing apparatus. (19th January 1971).
Comprising a plurality of elongated hollow members held together in side-by-side relationship, closure means to seal each end of the members, at least one grinding element positioned in each of the hollow members, and means to impart rotary motion to the plurality of hollow members.

134353. Apa S. A. Automatic ice-cream machine.

Including a mounting for a ice cream can wall scraping helical blade shaft comprising a bearing seated in a housing in a mounting member and movable in a radial direction and resilient means between the housing and the outer periphery of the bearing.

134594. Frunzensky Politekhnikhesky Institut. Graphics teaching machine.

Wherein the decoder includes an AND-circuit operating when the student-answer is correct and having its inputs connected to the answer input device via respectively identically connected diodes of the coder, and a delay element resetting the AND-circuit to its original state with a given time delay after its operation, the input of the delay element being connected to the output of the AND-circuit.

134621. Robert Bosch GMBH. Improvements in and relating to saggars for sparking plug flints.

In an extension of the holes there are concentric holes of smaller diameter which penetrate the remaining part of the saggars base.

135094. B. M. Jain. Device for making puri, chapati or the like flat cakes.

Arrangement being such that when the two plates are lying one above the other, the bent portion of the rod is in a plane parallel to the plane of the plates and when the handle is lifted from such position, the rod rotates due to the action of pinion and gear and the bent portion of the rod rotates therewith, as a result of which the bent portion emerge out of the slot lifting the upper plate away from the lower to permit a piece of dough to be inserted.

*135352. (1349/72). Cabot Corporation. Process for preparing vulcanized rubber. [Divisional date 9th March 1971].

Characterized by mixing rubber with active carbon black in amounts of from about 10 to about 250 parts by weight per 100 parts by weight of rubber, and vulcanizing the mixture.

**The first number shown is the serial number given to the application under Rule 32 of the Patents Rules 1972 on acceptance of the complete specification under which the specification will be printed and Abridgments and all subsequent proceedings will be taken. The second number in the bracket is the corresponding application number.*

Opposition Proceedings

(1)

An opposition has been entered by Envirotech Corporation to the grant of a patent on application No. 128016 made by Dorr-Oliver Incorporated.

(2)

An opposition entered by The Natural Gas Co. Private Limited to the grant of a patent on application No. 106529 made by Madhav Damodar Bhate has been successful and grant of a patent on the application has been refused.

Amendment Proceedings

(1)

The amendments proposed by The Bunker-Ramo Corporation in respect of patent No. 111402 as advertised in Part III, Section 2 of the Gazette of India dated the 7th October, 1972 have been allowed.

(2)

The amendment proposed by E.I. Du Pont De Nemours And Company in respect of Patent No. 118810 as advertised in Part III, Section 2 of the Gazette of India dated the 30th September, 1972 have been allowed.

(3)

The amendments proposed by The Bunker-Ramo Corporation in respect of Application for Patent No. 122770 as advertised in Part III, Section 2 of the Gazette of India, dated the 7th October, 1972 have been allowed.

(4)

The amendment proposed by Koninklijke Emballage Industries Van Leer N.V., in respect of Patent application No. 127481 as advertised in Part III, Section 2, of the Gazette of India dated the 14th October, 1972 has been allowed.

(5)

The amendment proposed by Leningradsky Metallichesky Zavod Imeni XXII Siezda KPSS, in respect of Patent application No. 127990 as advertised in Part III, Section 2 of the Gazette of India dated the 14th October, 1972 have been allowed.

(6)

The amendments proposed by Snam Progetti S.p.A. in respect of Patent application No. 128278 as advertised in Part III, Section 2 of the Gazette of India dated the 7th October, 1972 have been allowed.

(7)

The amendment proposed by Cardwell Westinghouse Company in respect of Patent application No. 131339 as advertised in Part III, Section 2 of the Gazette of India dated the 14th October, 1972 have been allowed.

Patents deemed to be endorsed with the words

"Licences of Right"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. and Title of the invention.

- 83892 (28-8-62) Process for the preparation of aldehydes and/or alcohols.
- 83899 (28-8-62) Process for recovering sulfuric acid and copper sulphate from a solution containing them.
- 83900 (28-8-62) Aqueous detergent slurry composition and process for producing heat-dried detergent compositions.
- 83904 (28-8-62) Metalliferous azo-dyestuffs, process for preparing them and fibrous textile materials especially cotton and regenerated cellulose, dyed or printed with these dyestuffs.
- 83905 (28-8-62) Metalliferous azo-dyestuffs process for preparing them and fibrous textile materials, specially cotton and regenerated cellulose dyed or printed with these dyestuffs.
- 83906 (28-8-62) Water-insoluble monoazo-dyestuffs and process for their manufacture, and their use for dyeing or colouring lacquers, printing inks and plastics.
- 83908 (28-8-62) Process for the preparation of fluorinated organic compounds by fluorination of aliphatic hydrocarbons in vapor phase.
- 83918 (29-8-62) Process for the purification of E-Caprolactam.
- 83919 (29-8-62) Process for the production of hydroxylamine.
- 83936 (12-9-61) Process for the manufacture of bipyridyls.
- 83945 (9-2-61) Method of heat treatment for nitride-bearing lowcarbon ductile steel.
- 83946 (9-2-61) Method for production of nitride-bearing ductile steel.
- 83964 (1-9-62) Method of treating the slag run from a zinc blast furnace in order to facilitate separation of slag from copper matte.
- 83986 (4-9-62) A process for the manufacture of new triazine derivative dyes and dyeing process therewith.

No. and Title of the invention.	No. and Title of the invention.
83998 (4-9-62) Cementitious powder and method of preparation thereof.	84316 (25-9-62) New metal complex compounds of mononuclear dyestuffs, processes for their manufacture, and textile materials dyed therewith.
84000 (4-9-62) New vat dyestuffs, process for their manufacture, and dyeing or printing textile material such dyestuffs.	84317 (25-9-62) Method of preparing an acid mordenite catalyst and converting hydrocarbons to other organic compounds.
84001 (4-9-62) New vat dyestuffs, process for their manufacture, and dyeing or printing textile material therewith.	84330 (26-9-62) Reactive silica materials and process of producing them.
84012 (5-9-61) Improvements in or relating to the treatment of haematite iron ore for use in the production of iron.	84331 (26-9-62) Reactive selectively sorptive silica materials and process for producing them.
84028 (6-9-62) Herbicidal compositions.	84336 (30-5-61) Process for the manufacture of S-triazine derivatives.
84053 (10-9-62) Water-insoluble azo-dyestuffs, process for preparing them and plastic materials, especially polyvinyl-chloride, dyed or coloured with these dyestuffs.	84337 (30-5-61) Process for the manufacture of S-triazine derivatives.
84055 (10-9-62) Process for preparation of a diazotype developer.	84338 (26-9-62) Method of reducing the phyto toxicity of manganese ethylene bis thio carbamate.
84056 (15-2-62) Process for production of organic dibasic acid anhydrides by catalytic oxidation, and catalysts for use in such a process.	84353 (27-9-62) Process for the preparation of epoxycarboxylic acids.
84057 (27-4-62) Production of pure chromium by electrolyzing process.	84359 (27-9-62) Process for the preparation of pure ammonia.
84058 (30-4-62) Improvements in and relating to apparatus for making α -aluminas, for making α -aluminas.	84381 (29-9-62) Process for wet grinding a slurry of mineral material.
84060 (10-9-62) Bicyclic and monocyclic carbamylloximes and pesticidal compositions containing the same.	84395 (4-10-61) Processes of coating solid particles with polymeric material and products thereof.
84070 (9-2-62) Navel lead-leadoxide compositions and apparatus and process for producing the same.	84422 (3-10-62) Method for rendering micro-organisms contained in liquids innocuous by heat treatment and device therefor.
84083 (11-9-62) Haloalkyl thiazoles, and process of preparing the same.	84447 (3-10-62) A three-phase, alcohol free self-propellant insecticidal composition and a method of spraying the same.
84104 (12-9-62) Improvements in or relating to the preparation of 2-acyloxy and aryloxy- α -naphthoquinone.	84466 (4-10-62) A process of preparation of active carbon from coke oven acid sludge.
84115 (13-9-62) Process of extracting and separating gum from guar (cyamopsis tetragonolobus) seeds.	84477 (5-10-62) Process and apparatus for the separation of water and impurities from steam.
84118 (18-7-62) Stable aqueous emulsions of copolymers and cross-linked polymers produced therefrom.	84478 (5-10-62) Process for the preparation of a bituminous mixture.
84126 (13-9-62) Electrolytic manganese dioxide process.	84480 (5-10-62) Process for producing pig iron in rotary furnace.
84129 (27-9-61) Method of making a composite cellular material.	84497 (11-10-62) Process for the alkylation of aromatic compounds.
84136 (14-9-62) Continuous process for cracking hydrocarbon oil.	84502 (17-10-61) Process for the manufacture of polymers.
84147 (15-9-62) Process for the preparation of substantially carbon monoxide free gases of high calorific value.	84512 (11-10-62) Method of generating combustible gases by pressure gasification of finely divided solid fuels.
84158 (15-9-62) Water-soluble copolymers.	84513 (22-6-62) A symmetrical ethylenic methylene-bis-amides and a process for the production thereof.
84159 (15-9-62) Process for optically brightening organic material.	84522 (11-10-62) Polyazo dyes, their production and use.
84173 (17-9-62) Synthetic moisturizing composition and a process therefor.	84525 (11-10-62) Improvements in or relating to the treatment of titanium bearing ores.
84203 (19-9-62) Process for production of semi-ester chlorides of aromatic dicarboxylic acids.	84528 (11-10-62) Metal-containing dyestuff preparations, that may be used for colouring spinning solutions, and process for their manufacture.
84232 (20-9-62) A process for the manufacture of new aminoazo triazine dyestuff and colouring materials therewith.	84556 (12-10-62) Improvements in or relating to the preparation of Vinyl Chloride Copolymers.
84233 (20-9-62) New azo-dyestuffs and process for their manufacture and colouring material therewith.	84559 (12-10-62) Improvements relating to the production of aluminium.
84234 (20-9-62) A process for the manufacture of dyeable polypropylene compositions.	84572 (15-10-62) Processing of hydroxyethyl cellulose.
84251 (22-9-62) Process for preparing aliphatic primary alcohols.	84587 (15-10-62) Process for preparing formaldehyde solutions.
84259 (16-4-62) Process and apparatus for the production of coke or ore coke on a coking grate and for the recovery of gas of high calorific value.	84588 (15-10-62) Sulfur vulcanizable olefin copolymers, process for their preparation, and vulcanized rubbers obtained therefrom.
84298 (25-9-62) Process for the preparation of acetic acid by catalytic oxidation of propylene.	84590 (15-10-62) Olefinic copolymers, process for their preparation and vulcanized products obtained therefrom.
84302 (25-9-62) A process for the regeneration of cationic resins.	84607 (16-10-62) A method of production of contact lenses.
	84608 (16-10-62) A process for the manufacture of steel with the steps of controlling the temperature in a steel furnace.

No. and Title of the invention
84612 (16-10-62) Non-shrinking and expansive cements, and method of making same.
84613 (18-10-61) Chlorinated polymers.
84641 (17-10-62) Crystallization of biuret from biuret-containing aqueous solutions saturated with urea.
84642 (17-10-62) Crystallization of urea.
84647 (17-10-62) Process for dehydrogenating alkylated aromatic hydrocarbons.
84675 (19-10-62) Process and apparatus for pneumatically grinding granular, gritty or coarsely powdered dry substances.
84686 (19-10-62) A process for the polymerisation of lactams to produce polyamides and articles comprising these polyamides.
84689 (19-10-62) Process for the preparation of melamine from cyanic acid.
84700 (20-10-62) Improvements in ethylene terephthalate-neopentyl terephthalate copolyesters.
84706 (20-10-62) Disazo dyestuffs and process for their manufacture.
84709 (20-10-62) Acetylene production by partial combustion of hydrocarbons.
84716 (22-10-62) Moldable oxymethylene polymers and method of preparing the same.
84732 (25-7-62) A process for nitriding ferrous metals.
84733 (23-10-62) Process for preparing benzoic acid.
84734 (23-10-62) Process and apparatus for the preparation of caprolactam.
84738 (23-10-62) Process for the preparation of methacrolein by catalytic oxidation of isobutene.
84739 (23-10-62) Process for the preparation of methacrolein by catalytic oxidation of isobutene.
84742 (23-10-62) Improvements relating to the manufacture of terpene alcohols from Indian oil of turpentine or its constituent terpenes.
84746 (23-10-62) Ester imide resins and articles prepared therefrom.
84747 (23-10-62) Copolymers and process for their manufacture.
84765 (24-10-62) Process for preparing diarylketones.
84773 (24-10-62) A process for production of triazine compounds.
84785 (25-10-62) Method and equipment for the continuous preparation of caprolactam.

Renewal Fees Paid

62917	62918	62940	62988	62990	62994	63045	63078	63179
63183	63446	65971	66097	66470	66543	66551	66567	66655
66723	66803	66818	66834	67582	70249	70279	70502	70610
70703	70905	70973	71063	72372	74285	74953	75169	75251
75278	75279	75458	75459	75473	75549	75564	78199	79399
80289	80541	80567	80626	80627	80651	80714	80837	80838
80868	80989	81017	81048	81139	81279	81405	82098	82258
83228	83945	83946	84889	85864	86090	86117	86122	86123
86163	86177	86188	86217	86220	86239	86343	86471	86516
86517	86536	86557	86597	86815	86935	86991	86995	87082
87368	87828	89715	90103	91641	91643	91749	91756	91822
91901	91922	91927	91993	92039	92123	92129	92222	92404
92423	92451	92650	92651	92784	92977	93388	95334	97286
97457	97474	97510	97528	97585	97607	97609	97610	97633
97637	97664	97769	97907	98094	98095	98111	98112	98113
98114	98218	98403	98698	98699	99474	99488	99573	101799
103165	103208	103376	103468	103534	103571	103609	103610	
103611	103629	103636	103656	103779	103898	103903	103937	
103983	104041	104153	104370	104390	104523	104524	104526	
104667	104672	105087	105625	105626	107910	107925	108238	

108866	109004	109048	109072	109074	109117	109154	109186
109187	109188	109202	109275	109330	109386	109387	109403
109424	109468	109480	109563	109573	109619	109707	109708
109709	109784	109791	109882	109897	109902	109936	110008
110695	110915	111471	111472	111777	112088	112438	112691
112692	112693	113496	113810	113972	114050	114105	114162
114229	114285	114358	114365	114390	114442	114577	114578
114644	114699	114750	114786	114829	114867	114892	114906
115086	115087	115176	115192	115465	115623	117018	117272
117634	118387	118482	118864	119401	119455	119493	119516
119556	119576	119579	119584	119603	119613	119615	119616
119642	119664	119765	119774	119775	119798	119806	119811
119874	119875	119906	119949	119977	120036	120058	120069
120113	120114	120115	120117	120191	120276	120363	120376
120405	120490	120554	120581	121128	121264	121489	121507
121648	122550	123998	124000	124453	125447	125766	126530
126925	126976	127156	128388	129634	132693		

Cessation of Patents

88732	88754	88771	88775	88779	88782	88783	88788	88794
88798	88802	88814	88818	88823	88827	88837	88838	88839
88841	88842	88854	88858	88864	88865	88866	88869	88878
88880	88888	88889	88890	88892	88895	88897	88899	88903
88907	88908	88910	88911	88913	88914	88915	88917	88919
88922	88923	88924	88925	88930	88932	88933	88936	88937
88939	88940	88941	88942	88943	88944	88945	88948	88950
88951	88952	88958	88960	88966	88970	88971	88972	88975
88978	88979	88980	88983	88984	88985	88988	88989	88990
88991	88992	88997	89001	89002	89004	89005	89009	89013
89015	89019	89020	89022	89023	89027	89028	89029	89030
89033	89038	89046	89047	89056	89058	89059	89062	89063
89064	89065	89066	89072	89075	89076	89079	89082	89084
89085	89086	89089	89090	89091	89095	89096	89098	89099
89102	89104	89112	89114	89127	89129	89138	89140	89141
89145	89148	89149	89151	89152	89155	89156	89161	89165
89175	89178	89181	89184	89188	89189	89190	89193	89194
89195	89200	89201	89204	89205	89207	89213	89214	89216
89217	89218	89220	89223	89225	89231	89234	89236	89238
89240	89241	89245	89246	89247	89252	89253	89254	89255
89257	89258	89259	89268	89269	89270	89271	89274	89277
89279	89280	89282	89283	89287	89292	89293	89395	89296
89297	89299	89300	89301	89302	89304	89306	89308	89309
89311	89316	89317	89319	89321	89322	89323	89324	89328
89331	89332	89337	89338	89341	89343	89347	89348	89351
89352	89355	89357	89362	89364	89366	89367	89371	89372
89373	89377	89379	89381	89386	89387	89389	89392	89394
89395	89396	89400	89402	89406	89408	89410	89411	89414
89415	89421	89427	89429	89432	89433	89437	89438	89439
89440	89442	89443	89446	89450	89454	89455	89457	89459
89461	89464	89467	89471	89474	89475	89478	89479	89480
89482	89489	89498	89499	89500	89502	89505	89506	89507
89508	89512	89518	89521	89524	89525	89526	89527	89532
89533	89535	89542	89543	89545	89546	89549	89550	89553
89554	89555	89558	89559	89560	89563	89569	89571	89573
89579	89583	89586	89587	89588	89594	95707	111026	

Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Designs Act.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 139729. Mrs. Madhuri Mathur, F. 11, Industrial Estate, Madras-58, and also at No. 41, Gala Industrial Estate, Mulund, Bombay-80, Subject of the Indian Republic, "A doughing", April 5, 1972.

Class 1. No. 139731. Mrs. Madhuri Mathur, F. 11, Industrial Estate, Madras-58, and also at No. 41, Gala

Industrial Estate, Mulund, Bombay-80, Subject of the Indian Republic, "A wet grinding blade", April 5, 1972.

- Class 1. No. 139732. Mrs. Madhuri Mathur, F. 11, Industrial Estate, Madras-58, and also at No. 41, Gala Industrial Estate, Mulund, Bombay-80, Subject of the Indian Republic, "A dry grinding blade", April 5, 1972.
- Class 1. No. 139806. Western Engineering Company, 9/53, Kirti Nagar, New Delhi-15, an Indian firm registered under the Indian Partnership Act, 1932, "Cycle lock", April 24, 1972.
- Class 1. Nos. 140057 to 140060 Kishco Cutlery Manufacturing Co., 54/56, Empire Building, 138, D. N. Road, Bombay-1, (Maharashtra), "Spoon", July 17, 1972.
- Class 1. No. 140255. Madan Lal Mehra, 15-G, Jangpura Extension New Delhi-14 (India) an Indian National, "The box", September 18, 1972.
- Class 1. No. 140256. Madan Lal Mehra, 15-G Jangpura Extension, New Delhi-14 (India) an Indian National, "The box", September 18, 1972.
- Class 3. No. 139670. Bharat Kumar Marsidas Kachwala, C/o Eagle Products, Mathuradas Road, Vilkhoo Bldg., Kandivli, Bombay-67, (Maharashtra) Indian National, "Container", March 24, 1972.
- Class 3. No. 139782. Peerless Plastics Industries Pvt., Limited., 4, Upper Chitpur Road, Calcutta-7, West Bengal, an Indian Private Limited Company, "Brushes", April 17, 1972.
- Class 3. No. 139892. Vasudeo Ramchandra Bhide, 208, Lady Jamshedji Road, Bombay 16, Maharashtra State, India, an Indian National, "Vacuum flask", May 15, 1972.
- Class 3. No. 139954. Rajpal Plastic Industries, (an Indian Partnership Firm), 303, Neelkanth, 98, Marine Drive, Bombay-2, (Maharashtra), "Brush", June 9, 1972.
- Class 3. No. 139975. Bharatkumar Narsidas Kachwala, 11, Jansukh Nivas, Kasturba Road, Kandivli (West), Bombay-67, (Maharashtra State) Indian National, "Container", June 17, 1972.
- Class 5. No. 140000. Paramount Products, a registered Indian partnership firm carrying on business at Block No. 1/28, 2nd Floor, Shri Ram Industrial Estate, G. D. Ambekar Road, Bombay-31, Maharashtra (India), "Cartons" June 27, 1972.

S. VEDARAMAN, Controller General of
Patents, Designs and Trade Marks

